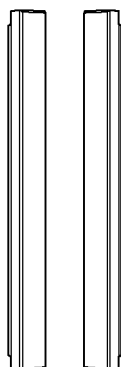


Service Manual

Speakers for Plasma Display

Model No. **TY-SP65P10WK**



WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

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1 Safety Precautions

CAUTION

After installing the speakers, do not attempt to move the display by lifting the speakers.

- The mounting brackets may be damaged, and personal injury may result.

Do not suspend the speakers.

- Personal injury may result if the speakers fall off. Take particular care to ensure the safety of children.

These speakers are designed to be used with the Plasma Display only.

- If connecting them to a different amplifier, make sure that the maximum input to the speakers is within their rated level (10 W). If the rated input level is exceeded, fire may result.

Make sure that all screws are tightened securely during installation.

- Ensure that the installation is carried out correctly to prevent the speakers from becoming detached, and possibly causing possible personal injury.

Notes on use

1. If connecting to an external amplifier that exceeds the rated input for the speakers, keep the amplifier volume suitably low to protect the speakers from damage. If any problems occur with speaker operation, disconnect the mains lead of the amplifier and consult a qualified service technician.
2. Do not place the speakers in the following places:
 - Areas that are exposed to direct sunlight
 - Near heaters or other heat sources
 - Areas subject to high humidity
3. This set is equipped with magnetic resistant speakers. However be careful not to place it near a CRT or PDP TV as it may cause colour patches.
4. To clean the speakers, wipe them with a soft cloth. If they are extremely dirty, wipe them with a cloth that has been soaked in a small amount of household detergent, and then wipe them dry with a separate cloth.
 - Do not use solvents such as alcohol or thinner.
 - If using chemically-treated cloths, follow the instructions supplied with the cloth packaging.

2 Specifications

Speaker Unit

Midrange $2\frac{15}{64}$ " x $5\frac{3}{64}$ " (5.7 cm x 12.6 cm), Oval-shaped, x 2

Tweeter $2\frac{3}{64}$ " (5.2 cm) dia, x 1

Rated impedance 8 Ω

Rated input 10 W

Dimensions (W x D x H)

main body $4\frac{3}{8}$ " (111 mm) x $3\frac{35}{64}$ " (90 mm) x $36\frac{27}{64}$ " (925 mm)

with packing $10\frac{33}{64}$ " (267 mm) x $8\frac{3}{16}$ " (208 mm) x $39\frac{17}{32}$ " (1004 mm)

Mass (weight)

main body 4.9 lb (2.2 kg) (per speaker)

with packing 15.7 lb (7.1 kg)

Cabinet material Plastic

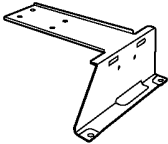
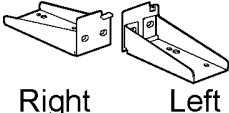
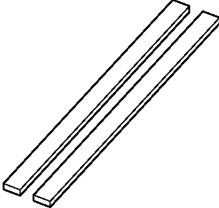
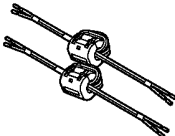
Note:

Design and Specifications are subject to change without notice. Weight and Dimensions shown are approximate.

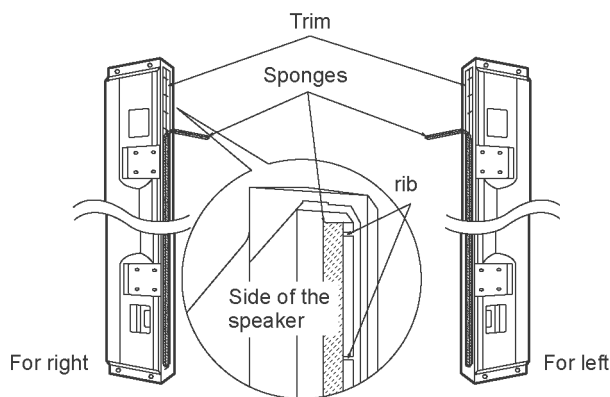
3 Disassembly and Assembly Instructions

Please assemble and install the speakers according to the following procedures.

3.1. Accesories

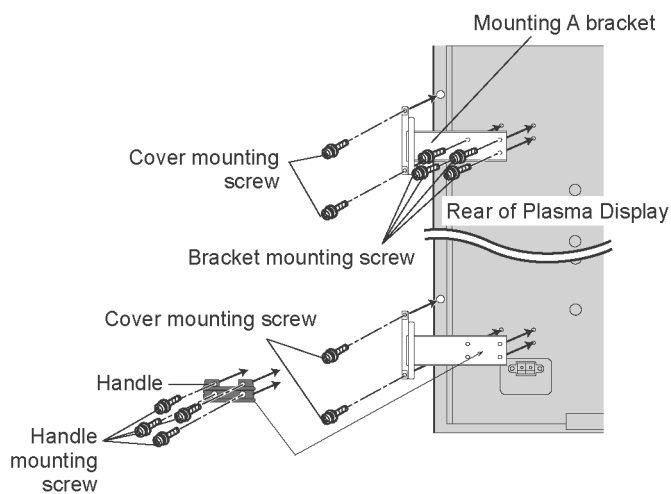
Mounting A brackets4 		Mounting B brackets (right)2 (left)2  Right Left	
Bracket mounting screws 24 	Sponges 2 	Speaker cables (25 cm) 2 	

3.2. Installations



1. Attach the sponges to the speakers.

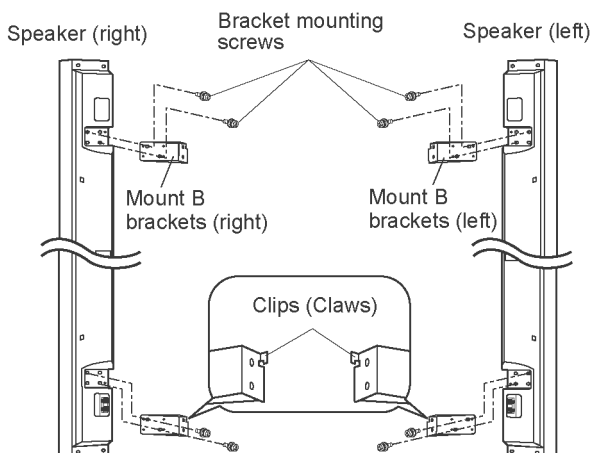
- Attach the sponges to the surfaces which are in contact with the Display.
- Clean the surfaces before attaching the sponges.
- Attach the sponge along the rib on the speaker.



2. Mount A brackets to the plasma display.

(Four A brackets, for the left, right, top and bottom)

- Remove the mounting screws (2 at the top and 2 at the bottom) of the cover.
- Mounting onto top
Secure using the four mounting screws and the two cover mounting screws which were removed.
- Mounting onto bottom
Remove the handle, and secure the handle and mounting A bracket using the four handle screws and two cover mounting screws.

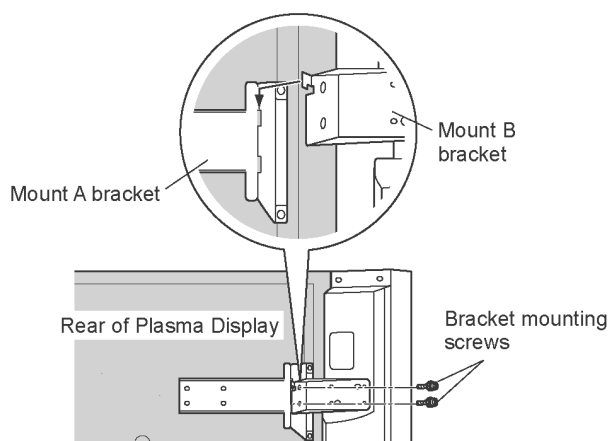


3. Mount B brackets to the speakers.

(Four B brackets, for the left, right, top and bottom)

Caution

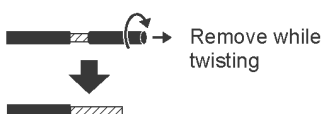
- Fit with the clips (claws) at the top.
- The left and right brackets are different, so please check carefully when mounting.



4. Fasten the A and B brackets

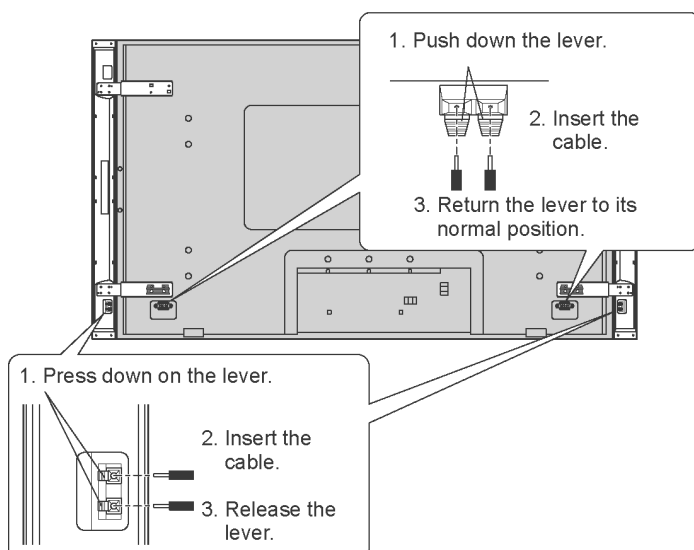
- Catch the B bracket claws in the A brackets (plasma display side).
Fasten the A and B brackets with bracket mounting screws.
- Adjust display and speaker height when fastening the A and B brackets.

Preparing the ends of the speaker cables

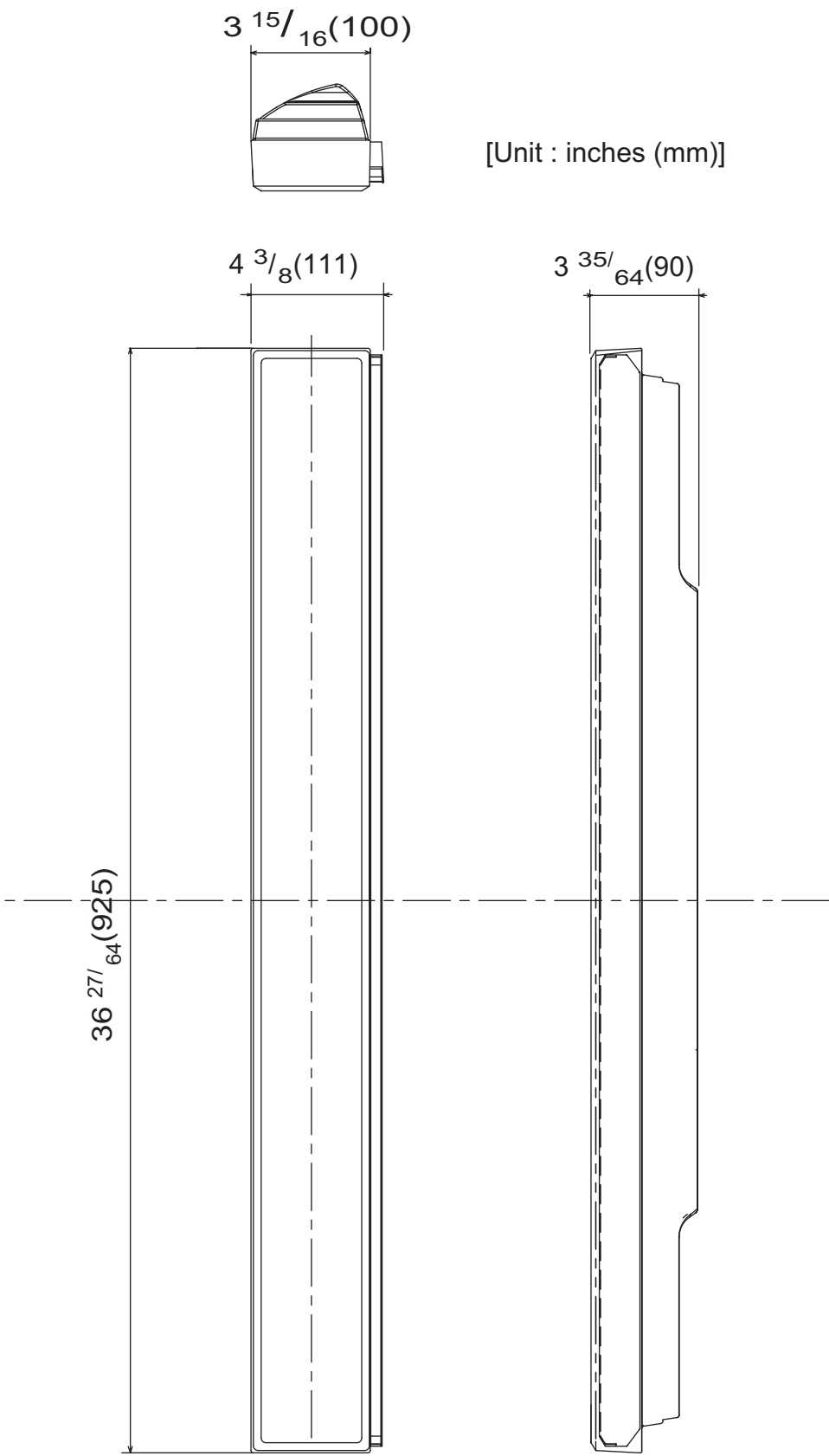


5. Connect the speaker cables.

- After preparing the ends of the speaker cables for the right speaker, connect them as shown in the illustration.
- Connect the speaker cables for the left speaker in the same way.
- The red cable is for the (+) polarity and the black cable is for the (-) polarity. Do not connect the cables to the wrong polarities.



4 Dimensions



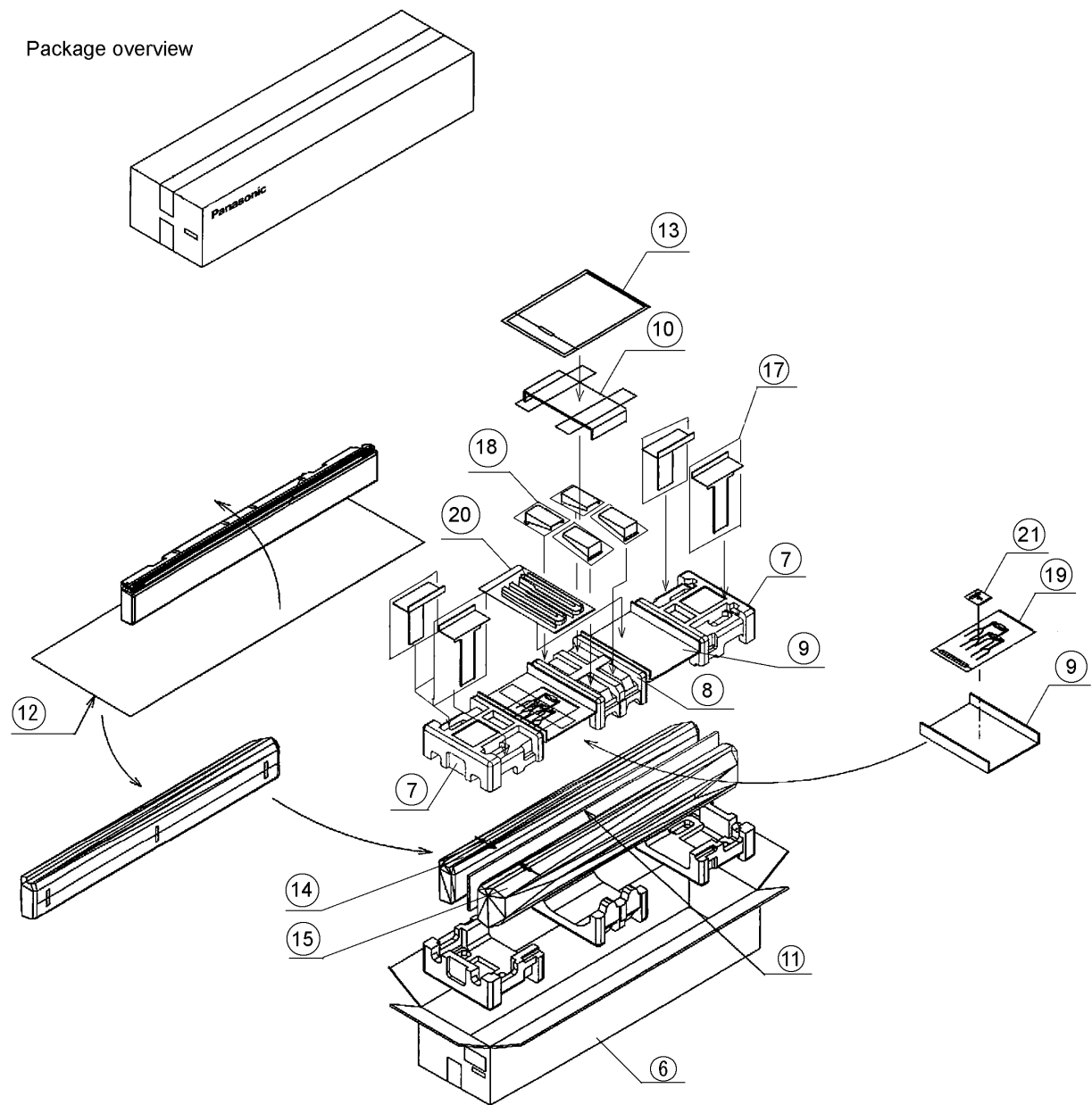
5 Exploded View and Replacement Parts List

5.1. Replacement Parts List

Ref No.	Part No.	Part Name & Description	Pcs	Remarks
1	TKRA60601	SPEAKER BOX FIX- ING METAL	4	
2	TKRA60701	SPEAKER BRACKET (LEFT)	2	
3	TKRA60801	SPEAKER BRACKET (RIGHT)	2	
4	TMKG836	SPONGE	2	
5	TPASK07	SPEAKER CORD KIT	1	
6	TPCC31002	CARTON BOX	1	
7	TPDA1682	CUSHION (SIDE)	4	
8	TPDA1684	CUSHION (CENTER)	2	
9	TPDF2044	PARTITION PAD A	2	
10	TPDF2045	PARTITION PAD B	1	
11	TPDF2046	PARTITION PAD C	1	
12	TPEH261	PROTECT BAG	2	
13	TQZH922	INSTRUCTION SHEET	1	
14	TXFGA010WJT	SPEAKER BOX (LEFT)	1	
15	TXFGA020WJT	SPEAKER BOX (RIGHT)	1	
16	XYN5+F18FJK	SCREW	24	
17	XZB10X23C05	POLY BAG (FIX METAL)	4	
18	XZB15X10C05	POLY BAG (BRACKET)	4	
19	XZB15X25C03	POLY BAG (CORD)	1	
20	XZB20X30C03	POLY BAG (SPONGE)	1	
21	XZB5X10C05	POLY BAG (SCREW)	1	

5.2. Packing and Accessories

Package overview



Accessories

